

Substitute for form 1449A/PTO <b>MAR 26 2001</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	09/715,909	
			Filing Date	11/17/00	
			First Named Inventor	Flannagan	
			Group Art Unit	1651	
			Examiner Name	To be Assigned	
Sheet	1	of	2	Attorney Docket Number	35718/204664 (5718-102)

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
		Number	Kind Code (if known)			
JLH	1	5,693,491		BULLA, et al.	12/02/1997	
JLH	2	6,007,981		BULLA	12/28/1999	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number			
JLH	3		WO 96/12964	BULLA, L.	05/02/1996	
JLH	4		WO 98/59048	BULLA, L.	12/30/1998	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
JLH	5	ESTRUCH, J. et al., Transgenic Plants: An Emerging Approach to Pest Control, Nature Biotechnology, 1997, Vol. 15, pp. 137-141.	
JLH	6	FRANCIS, B., et al., Further Characterization of BT-R <sub>1</sub> , The Cadherin-Like Receptor for Cry IAB Toxin in Tobacco Hornworm (Manduca sexta) Midguts, Insect. Biochem. Mol. Biol., 1997, Vol. 27(6), pp. 541-550.	
JLH	7	FRANKLIN, S., et al., Southern Analysis of BT-R <sub>1</sub> , The Manduca Sexta Gene Encoding The Receptor for the CryIAB Toxin of Bacillus Thuringiensis, Mol. Gen. Genet, 1997, Vol. 256, pp 517-524.	
JLH	8	GARCZYNSKI, S., et al., Identification of Putative Insect Brush Border Membrane-Binding Molecules Specific to Bacillus Thuringiensis $\delta$ -Endotoxin by Protein Blot Analysis, Applied and Environmental Microbiology, 1991, Vol. 57(10), pp. 2816-2820.	
JLH	9	GILL, S, et al., Identification, Isolation, and Cloning of a Bacillus Thuringiensis CryIAC Toxin-Binding Protein from the Midgut of the Lepidopteran Insect Heliothis Virescens, The Journal of Biological Chemistry, 1995, Vol. 270(45), pp. 27277-27282.	
JLH	10	HOFTE, et al., Insecticidal Crystal Proteins of Bacillus Thuringiensis, Microbiological Reviews, 1989, Vol. 53(2), pp. 242-255.	
JLH	11	HUA, G., et al., Binding Analyses of Bacillus Thuringiensis Cry $\delta$ -Endotoxins Using Brush Border Membrane Vesicles of Ostrinia Nubilalis, Applied and Environmental Microbiology, 2001, Vol. 67(2), pp. 872-879.	
JLH	12	IHARA, H., et al., Purification and Partial Amino Acid Sequences of the Binding Protein from Bombyx Mori for CryIAa $\delta$ -endotoxin of Bacillus Thuringiensis, Elsevier Science Inc., 1998, pp. 197-204.	

Examiner Signature	<i>Paul H. H. H.</i>	Date Considered	01/22/02
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

## **Complete if Known**

Application Number 09/715,909  
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## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear
PCH	13	KEETON, T., et al., Effects of Midgut-Protein-Preparative and Ligand Binding Procedures on the Toxin Binding Characteristics of BT-R <sub>1</sub> , A Common High-Affinity Receptor in Manduca Sexta for CryIA Bacillus Thuringiensis Toxins, Applied and Environmental Microbiology, 1998, Vol. 64(6), pp. 2158-2165.				
PCH	14	KEETON, T., et al., Ligand Specificity and Affinity of BT-R <sub>1</sub> , The Bacillus Thuringiensis CryIA Toxin Receptor From Manduca Sexta, Expressed in Mammalian and Insect Cell Cultures, Applied and Environmental Microbiology, 1997, Vol. 63(9), pp. 3419-3425.				
PCH	15	KNIGHT, P., et al., The Receptor for Bacillus Thuringiensis CryIA(c) Delta-Endotoxin in the Brush Border Membrane of the Lepidopteran Manduca Sexta is Aminopeptidase N, Molecular Microbiology, 1994, Vol. 11(3), pp. 429-436.				
PCH	16	LEE, M., et al., Aminopeptidase N Purified from Gypsy Moth Brush Border Membrane Vesicles Is a Specific Receptor for Bacillus Thuringiensis CryIAC Toxin, Applied and Environmental Microbiology, 1996, Vol. 62(8), pp. 2845-2849.				
PCH	17	McGaughey, W., et al., RT Resistance Management A Plan for Reconciling the Needs of the Many Stakeholders in Bt-Based Products, Nature Biotechnology, 1998, Vol. 16, pp. 144-146.				
PCH	18	NAGAMATSU, Y., et al., Cloning, Sequencing, and Expression of the Bombyx Mori Receptor for Bacillus Thuringiensis Insecticidal CryIA(a) Toxin, Biosci. Biotechnol. Biochem, 1998, Vol. 62(4), pp. 727-734.				
PCH	19	NAGAMATSU, Y. et al., The Cadherin-Like Protein is Essential to Specificity Determination and Cytotoxic Action of the Bacillus Thuringiensis Insecticidal CryIAa Toxin, Febs Letters, 1999, Vol. 460, pp. 385-390.				
PCH	20	ODDOU, P., et al., Immunologically Unrelated Heliothis Sp. And Spodoptera Sp. Midgut Membrane-Proteins Bind Bacillus Thuringiensis CryIA(b) $\delta$ -endotoxin, Eur. J. Biochem., 1993, Vol. 212, pp. 145-150.				
PCH	21	ROUSH, R., et al., Assessing the Odds: The Emergence of Resistance to BT Transgenic Plants, Nature Biotechnology, 1997, Vol. 15, pp. 816-817.				
PCH	22	VADLAMUDI, R., et al., Cloning and Expression of a Receptor for an Insecticidal Toxin of Bacillus Thuringiensis, The Journal of Biological Chemistry, 1995, Vol. 270(10), pp. 5490-5494.				
PCH	23	VADLAMUDI, R., et al., A Specific Binding Protein from Manduca Sexta for the Insecticidal Toxin of Bacillus Thuringiensis Subsp. Berliner, The Journal of Biological Chemistry, 1993, Vol. 268(17), pp. 12334-12340.				
PCH	24	DORSCH, J., Isolation and Characterization of the Insecticidal Toxin Binding Site From the Receptor BT-R <sub>1</sub> of Manduca Sexta, A Dissertation submitted to the Department of Molecular Biology and the Graduate School of the University of Wyoming, 1998.				

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Examiner Signature	<i>Don. J. McCreary</i>	Date Considered	01/23/02
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